

ABSTRACT OF THE DISCLOSURE

Kluyveromyces Strains Metabolizing Cellulosic and Hemicellulosic Materials

5 This invention relates to the use of microorganisms for the generation of ethanol from
lignocellulosic waste materials. Yeast strains of the genus *Kluyveromyces* which have the
capability to ferment cellulose, hexose sugars to ethanol are provided. Also provided are
methods for converting cellulose, hexoses, or mixed hydrolysates of hexoses to ethanol by
fermentation with *Kluyveromyces* strains. The invention also provides methods to isolate
10 yeast strains which metabolize cellulose, pentoses, or hemicelluloses from waste materials.